

COUNTY OF CARBON

INVITATION TO BID

FOR

FURNACE REPLACEMENT,

CARBON COUNTY ENVIRONMENTAL EDUCATION CENTER

Mandatory Pre-Bid Meeting:

9:00 A.M., Wednesday, June 7, 2017

At: Carbon County
Environmental Education Center
151 E. White Bear Drive
Summit Hill, PA 18250

Written Inquiry Period Deadline

Via Email Only:

12:00 P.M., Friday, June 9, 2017

To: carbonpurchasing@carboncounty.net

Submittal Deadline:

3:30 P.M., Monday, June 26, 2017

To: Carbon County Controller
Courthouse Annex, 2nd Floor
2 Hazard Square
P.O. Box 59
Jim Thorpe, Pa. 18229

Your Bid Must Include (1) Original

(Clearly Marked as Such) & (2) Copies of:

- Sub-Contractor Information, p. 9
- Public Works Employment Form, p. 10
- Form of Proposal, p. 12
- Non-Collusion Affidavit, p. 14
- 10% Bid Bond

County's Point of Contact:

Linda Dopira, Purchasing Manager
Ph: (570) 325-8988
Email: carbonpurchasing@carboncounty.net

Project Engineer:

Bill Bleiler, P.E., LEED AP
Keystone Engineering Group, Inc.
Ph: (610) 407-4100
Email: wbleiler@kegi.net

INVITATION TO BID

The County of Carbon will receive sealed bids until 3:30 P.M., prevailing time, June 26, 2017 in the office of the County Controller, Courthouse Annex, 2nd Floor, P.O. Box 59, Jim Thorpe, PA 18229, for the following:

FURNACE REPLACEMENT, CARBON COUNTY ENVIRONMENTAL EDUCATION CENTER

Contract documents and specifications may be obtained at a non-refundable cost of \$25 per set, payable to the "County of Carbon" from the Carbon County Purchasing Department, Courthouse Annex, 2nd Floor, Jim Thorpe, PA 18229, (570) 325-8988. Documents may also be viewed free of charge.

Addenda, if any, will be issued to only those persons whose name and address are on record as having obtained the contract documents.

A mandatory pre-bid meeting will be held on June 7, 2017 beginning at 9:00 A.M. at the Environmental Education Center, 151 E. White Bear Drive, Summit Hill, PA 18250. Bids received from non-attendees will not be accepted. Perspective bidders are encouraged to obtain the bidding documents well in advance of the mandatory pre-bid meeting

A certified check or bank draft, payable to the County of Carbon, or a satisfactory Bid Bond executed by the Bidder and an acceptable surety in the amount equal to ten percent (10%) of the total bid shall be submitted with each bid.

Bids will be publicly opened and read aloud at the regular Board of Commissioners Meeting at 10:30 A.M., prevailing time, Thursday, June 29, 2017 in the Commissioners Conference Room, Courthouse Annex, 3rd Floor, Jim Thorpe, PA.

The award will be made, usually within thirty (30) days, to the lowest responsible and responsive bidder submitting a bid in conformity with the specifications. However, the County reserves the right to reject any or all bids.

COUNTY OF CARBON
Wayne E. Nothstein, Chairman

Adv. 5/23 & 5/26/17

Carbon Country-Furnace Replacement

Summary of Work

- Demolish and remove existing furnace, supports, supply and return Ductwork connections, combustion/vent piping, controls, and associated accessories. Disconnect furnace from the Underground fuel oil piping. This fuel piping will be reused. Power cables from Power Source to and including the Emergency Shutoff Switch will be reused. Demolish wires from Emergency shutoff Switch to existing furnace.
- Demolish two fuel oil Tanks, all exterior vent/fill connections and associated accessories. Disconnect tanks from the Copper fuel oil piping. This underground Fuel piping will be reused. Dispose of tanks and any remaining fuel oil per PA and EPA rules and regulations.
- Provide and Install the Furnace with new combustion/exhaust vent piping, fuel oil burner, programmable thermostat, provide employee training, and balance air system. Connect the Furnace to the existing ductwork and fuel oil piping.
- The existing Attic Supply Ducts require repairs on its insulation, tape, jacket, diffusers. See *table 1* below for quantities and types of repairs required:

Nominal Ductwork Dimensions	Insulation [linear feet of ductwork]	Tape [linear feet of ductwork]	Jacket [linear feet of ductwork]	Quantity	Notes
12x10	30	55	80	-	Wrap duct in insulation, seal with tape, and then install jacket
12x12	25	25	25	-	Wrap duct in insulation, seal with tape, and then install jacket
14x10	50	85	85	-	Wrap duct in insulation, seal with tape, and then install jacket
20x12	-	45	45	-	Seal duct with tape and then install jacket
7" ø Branch insulated ducts with damper	-	-	-	5	Replace Branch ducts. Assume 15' per replacement of duct.
7" ø Branch ducts for balancing	-	-	-	16	balance each Damper to [total CFM]/16= 105 CFM

Table 1: Attic Insulation Ductwork Takeoffs

- Provide and install two fuel oil Tanks with combined vent/fill Piping and connect the Fuel oil supply piping to the existing underground copper fuel line. Tanks shall be able to be isolated from each other with independent fuel inlet/outlet valves, and shall be connected such that the tanks will have an equal volume of oil if all isolation valves are open.
- Testing and commissioning for furnace and ductwork system.